



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**OFFICE OF THE SECRETARY**  
Manila

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Department Order )

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Series of 2019 )

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**SUBJECT: Technical Manuals and Guidelines on  
Road and Bridge Maintenance and  
Inspection**

In line with the commitment, goal and objective of the Department to enhance the technical knowledge and capabilities of our engineers specifically on quality, efficiency, effectiveness of bridge inspection/assessment and repair, and in order to have uniform, detailed procedure on road maintenance and management, the following technical manuals are hereby prescribed for implementation by all DPWH Regional Offices and District Engineering Offices and Project Management Offices of the Department in the conduct of road and bridge maintenance works:

For Road and Bridge Maintenance:

1. Pocketbook on Routine Maintenance
2. Quality Control Manual on Concrete and Steel Bridge Structures, 2<sup>nd</sup> Edition
3. Bridge Repair Manual, 2<sup>nd</sup> Edition
4. Manual for Load Rating of Bridges, 3<sup>rd</sup> Edition
5. Philippine Highway Maintenance Management Manual
6. Guidebook for Road Construction and Maintenance Management, 2<sup>nd</sup> Edition
7. Road Project Management and Supervision Manual, 2<sup>nd</sup> Edition, Vol. I :Main Text
8. Road Project Management and Supervision Manual, 2<sup>nd</sup> Edition, Vol. II: Sample Forms and Document
9. Routine Maintenance Manual for Special Bridge
10. Road Slope Protection Manual

For Bridge Inspection :

1. Bridge Inspector's Handbook, 2<sup>nd</sup> Edition
2. Bridge Engineering Inspection Manual
3. Bridge Inspection Manual for Prestressed Concrete Extradosed Bridge (Special Bridge) Marcelo Fernan Bridge, 2<sup>nd</sup> Edition
4. Bridge Inspection Manual for Steel Truss Bridge (Special Bridge); Mactan-Mandaue Bridge, 2<sup>nd</sup> Edition
5. Bridge Inspection Manual for Cable Stayed Bridge (Special Bridge)
6. Bridge Inspection Manual for Steel Arch Bridge (Special Bridge)
7. Bridge Inspection Manual for Suspension Bridge (Special Bridge)
8. Bridge Inspection Manual for PC Rigid Box Girder Bridge (Special Bridge)

Included also in this issuance are the addendums for the Bridge Repair Manual, Bridge Inspection Manual for Special Bridge and issuance of the revised Pocketbook on Routine Maintenance, 2014 Edition on a separate copy.

The aforementioned technical manuals including the addendums, which were prepared and developed jointly by the Japan International Cooperation Agency (JICA) Road and Bridge Experts, and members of the DPWH Technical/Counterpart Working Group (TWG/CWG), can be downloaded at the DPWH Intranet (<http://dpwhnet>), for easy reference.

This order shall take effect immediately and shall supersede Department Order No. 94, Series of 2014.



**MARK A. VILLAR**  
Secretary

6.1 AMD/WRO

Department of Public Works and Highways  
Office of the Secretary



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